

### ABSTRACT OF THE DISCLOSURE

The present invention relates to a method of increasing the expression of native extracellular inducible microbial enzymes from fungal sources using particular culture media and a method of repressing native proteins in fungi and enhancing the production of proteins encoded by transgenes in fungi under the control of an inducible promoter. The present invention also relates to mixtures of extracellular inducible enzymes from a fungal and a bacterial source as well as their use in a method for the degradation of chitinous substrates. Methods of releasing N-acetylglucosamine from chitinous sources and enhancing purity of a heterologous recombinant protein expressed in a culture of fungi are also disclosed.

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